**Bader John Ale**

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##### PROFESSIONAL PROFILE

Results-driven and detail-oriented data scientist with strong academic foundation in healthcare and technology. Leveraging expertise in data analysis, machine learning, and statistical modeling, I am dedicated to transforming complex datasets into actionable insights that drive strategic decision-making and improve patient outcomes. Proficiency in Python, SQL, and Excel, among others. Excellent interpersonal skills and ability to collaborate effectively with cross-functional teams, including healthcare professionals, engineers, and executives. Strong written and verbal communication skills enable me to present complex concepts in a clear and concise manner.

##### INFORMATION TECHNOLOGY COMPETENCIES

**Systems:** Windows, Linux

**Databases:** PostgreSQL, PROC SQL

**Languages:** SQL, Python, C++

**Software:** Visual Studio Code, Microsoft Excel, Power BI, Tableau, SAS, Git, AWS, Azure, MATLAB

**CERTIFICATIONS**

• CompTIA Security+

• CompTIA A+

• Microsoft Certified Professional

• Six Sigma Green Belt

• Amazon Web Services (AWS) Cloud Practitioner

## PROFESSIONAL EXPERIENCE

**Case Manager, Registered Nurse -** *Humana* | United States October 2022 – June 2023

Coordinated and managed the care of patients, ensuring their needs were met and facilitating smooth transitions between healthcare settings.

* Administered medications and treatments following established protocols, achieving a 95% medication adherence rate, and minimizing adverse drug reactions.
* Collaborated with interdisciplinary healthcare teams to develop and implement patient care plans, leading to a 10% decrease in hospital readmission rates and improved patient outcomes.

**Clinical Registered Nurse (Contract) -** *Various* | United States February 2018 – October 2022

Assessed patient conditions, administered medications, provided treatments, educated patients and families, collaborated with healthcare teams, and delivered compassionate care for optimal patient outcomes.

* Assessed and monitored patient conditions, ensuring accurate and timely documentation, resulting in a 15% reduction in medical errors and improved patient safety.
* Collaborated with interdisciplinary healthcare teams to develop and implement patient care plans, leading to a 10% decrease in hospital readmission rates and improved patient outcomes.

**Staff Mechanical Engineer –** *m2E Consulting Engineers* **|** Miami,FL February 2015 – August 2015

Conducted comprehensive assessments and investigations of mechanical systems, fire protection systems, and plumbing installations in order to identify and analyze failures, determine causes, and provide expert analysis and recommendations to clients.

* Designed and optimized mechanical systems, resulting in a 20% increase in energy efficiency and cost savings of $100,000 per year.
* Conducted simulations and tests to validate designs.
* Collaborated with cross-functional teams to develop innovative solutions.

**FAA Mechanical Engineer (Contract) –** *AMETEK* **|** Miami,FL May 2014 – August 2014

Designing and oversaw the development of tools and equipment for aviation mechanics that comply with Federal Aviation Administration (FAA) regulations and standards, ensuring safe and efficient aircraft maintenance operations.

* Reduced aircraft downtime by 15% through efficient maintenance planning and execution, optimizing repair processes, and ensuring timely availability of necessary parts and equipment.
* Improved maintenance cost-effectiveness by 10% through effective utilization of resources, implementing preventive maintenance strategies, and identifying and implementing cost-saving measures without compromising safety or quality.

**Mechanical Engineer –** *GA Telesis CRG* **|** Miami,FL February 2013 – August 2013

Designed and developed specialized tools and equipment tailored to the unique needs of aviation mechanics, aiming to enhance efficiency, safety, and cost-effectiveness in aircraft maintenance operations.

* Increased efficiency and productivity by developing a specialized aircraft maintenance tool that reduced task completion time by 25%, enabling mechanics to perform their duties more effectively and reducing overall aircraft downtime.
* Improved safety standards by designing an ergonomic and user-friendly tool that reduced the risk of musculoskeletal injuries among aviation mechanics, resulting in a 30% decrease in reported work-related injuries.

**Mechanical Engineer Intern –** *Bouygues Civil Works* **|** Miami,FL July 2012 – October 2012

Assisted in the design, planning, and implementation of mechanical systems within the tunnel project, ensuring their functionality and compliance with industry standards and project specifications.

* Improved ventilation system efficiency by 20% through optimizing ductwork design, implementing energy-saving measures, and conducting airflow analysis, ensuring proper air circulation and maintaining a safe working environment.
* Enhanced safety measures by reducing equipment downtime by 15% through implementing preventive maintenance schedules, conducting regular inspections, and addressing mechanical issues proactively, minimizing delays and potential hazards.

**Network Support Specialist/Engineer –** *FIU School of Computing* **|** Miami,FL August 2009 – August 2011

Assisted in the design, planning, and implementation of mechanical systems within the tunnel project, ensuring their functionality and compliance with industry standards and project specifications.

* Improved ventilation system efficiency by 20% through optimizing ductwork design, implementing energy-saving measures, and conducting airflow analysis, ensuring proper air circulation, and maintaining a safe working environment.
* Enhanced safety measures by reducing equipment downtime by 15% through implementing preventive maintenance schedules, conducting regular inspections, and addressing mechanical issues proactively, minimizing delays and potential hazards.

##### EDUCATION

**Master of Science in Data Analytics** Anticipated: September 2024

*Western Governors University* | Salt Lake City, UT

* Studies focused on Data Analytics, Data Science and Data Visualizations
* Courses included Predictive Modeling, Data Mining, Exploratory Data Analysis, Advanced Data Acquisition and Representation and Reporting

**Bachelor of Science in Nursing** October 2020

*Chamberlain College of Nursing* | Chicago, Il

**Associate of Science in Nursing** December 2017

*Miami Dade College* | Miami,FL

**Master of Science in Engineering Management** December 2012

*Florida International University* | Miami,FL

**Bachelor of Science in Mechanical Engineering** August 2011

*Florida International University* | Miami,FL